

REDACTED

Louisville Jefferson County
Metropolitan Sewer District

400 South Sixth Str
Louisville, Kentucky 402-2397

502-540-6000

Mail To: P.O. Box 740011
Louisville, Kentucky 40201



July 9, 1992

Mr. Derek Matory
Project Manager
Superfund - North Remedial Branch
United States Environmental Protection
Agency - Region IV
345 Courtland Street, N.E.
Atlanta, GA 30365

RE: Lee's Lane Superfund Site, Jefferson County, Kentucky - Administrative
Order on Consent, USEPA Docket No. 91-32-C, Report of MSD (Respondent)
Activities For June, 1992

Dear Mr. Matory:

With reference to our telephone conversation of July 1, 1992, enclosed is
MSD's Activity Report for June, 1992, with reference to activities
involving the Lee's Lane Superfund Site.

I would appreciate receiving your comments concerning the Activity Report
after you complete your review.

As indicated during our telephone conversation, I would appreciate your
faxing me a copy of Appendix L which is missing from our file set. My fax
number is 1-502-540-6106.

Finally, I would appreciate receiving whatever information or documents you
can provide relative to the disposal of purge and rinse waters that may be
generated during the sampling of groundwater and gas wells on the Lee's
Lane Landfill site. These disposal procedures should also identify
appropriate practices relative to disposal of purge or rinse waters in the
residential area adjacent to the Lee's Lane Landfill site.

Your assistance relative to the above requests is acknowledged. Please
advise if I may be of any further assistance in these matters.

Very truly yours,

A handwritten signature in dark ink, appearing to read "C. A. Neumayer".

C. A. Neumayer
Director of Operations & Maintenance

CAN/rdh
CAN29.1S

Enclosure

cc: File WD-2 (Lee's Lane M&M)



ACTIVITY REPORT FOR JUNE, 1992

LEE'S LANE SUPERFUND SITE JEFFERSON COUNTY, KENTUCKY ADMINISTRATIVE ORDER ON CONSENT, USEPA DOCKET NO. 91-32-C

1. Transfer of the gas collection system from Jefferson County, Kentucky, government to MSD was completed on June 9, 1992. For additional details see Attachment A to this Report.
2. MSD completed necessary arrangements for transfer of telephone, electrical, and security service accounts from Jefferson County to MSD as requested, see Attachment A to this Report.
3. Representatives of MSD participated with representatives of Jefferson County who conducted gas collection system balancing requirements in accordance with Appendix G of Attachment I to the Consent Order between May 28, 1992 and June 1, 1992, see Attachment B to this Report.
4. Transfer of gas collection system calibration equipment, spare blower turbine, service manual and key sets were made by Jefferson County to MSD which acknowledged receipt on June 8, 1992, see Attachment C to this Report.
5. MSD completed initiation of purchase requisitions for the following field instrumentation items:
 - a. Sling psychrometer.
 - b. Photo ionization detector.
 - c. Wind speed and direction meter.
 - d. Gas detection (LEL) meter.
6. Directive issued for initiation of project tracking of costs for the monitoring and maintenance activities of the Lee's Lane Superfund Site, see Attachment D to this Report.
7. Reconnaissance of Lee's Lane Superfund Site was conducted by representatives from MSD's Industrial Waste Department and Morris Forman Wastewater Treatment Plant Laboratory Section relative to the location of groundwater and gas monitoring wells and ambient air sampling sites. See Attachment E to this Report.

Louisville Jefferson County
Metropolitan Sewer District

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502-540-6000

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Louisville, Kentucky 40201



ACTIVITY REPORT FOR JUNE, 1992 (cont.)

LEE'S LANE SUPERFUND SITE
JEFFERSON COUNTY, KENTUCKY
ADMINISTRATIVE ORDER ON CONSENT, USEPA DOCKET NO. 91-32-C

8. A summary of mowing activities at the Lee's Lane Superfund Site, see Attachment F to this Report.

The above identified items and accompanying attachments document the significant activities conducted by Respondent MSD relative to the monitoring and maintenance of the Lee's Lane Superfund Site during June, 1992.

CAN/rdh
CAN29.1T



ATTACHMENT A

DAVID L. ARMSTRONG
County Judge/Executive

JEFFERSON COUNTY, KENTUCKY
DIVISION OF PUBLIC PROPERTIES

WENDELL P. WRIGHT
Division Director

June 4, 1992

Mr. C.A. Neumayer, Director
Operations and Maintenance
Metropolitan Sewer District
400 South Sixth Street
Louisville, KY 40202-2397

Rec'd	6/5/92 by Can
File	ED2-LeesLn M&M
Route To	
Copies To	GEE/WHM/KFC MJK/GFR/RHW

RE: TRANSFER OF LEES LANE METHANE PUMPING STATION AND
EXTRACTION WELLS AT 4423 LEES LANE

Dear Mr. Neumayer:

On June 1, 1992, Jefferson County Public Properties concluded repairs and balancing of the Lees Lane Methane Collection System. During the repairs and balancing, Phil Turner (MSD Supervisor) and his staff were shown the process of balancing and recording the system. I also made Phil aware of problems encountered and repairs made to bring the system to its peak capacity. Thornton

Enclosed are the results of the balancing and calibration. All problems and repairs are noted in the comment section. If you would compare these readings with those taken in the past, you will note greater negative pressures were obtained throughout the system. These readings will be greatly affected by weather conditions and the ground water table.

* On this date, I have contacted your Maintenance Manager, Wade Mullins, and arranged transfer of all keys, service manuals, monitoring equipment, remaining job reports and inspections. All of the items will be in MSD's possession by June 9, 1992. The extra pump is located at the Third District Work site on Dixie Highway near the Southwest Government Center. Please make arrangements to pick up this equipment with J.W. Simmons at 935-4565.

* 6/4/92 Arrangements being made per WTHM

FISCAL COURT BUILDING
SUITE 801
531 COURT PLACE
LOUISVILLE, KENTUCKY 40202-3314
(502) 625-5845

An Equal Opportunity Employer

* Four other items to be addressed are the phone service, electrical service, insurance and the alarm monitoring service. To change the phone service, contact Marion Gardner at 625-6204 so he can assist with the transfer. Contact Louisville Gas and Electric to transfer electrical service. To continue insurance coverage for the facility contact Ches Brandon at 625-6104. Contact John Thompson of Custom Low Voltage at home [REDACTED] or page him (digital, 332-8119) to transfer alarm monitoring. In order for MSD to respond to an alarm, I can have the emergency numbers changed until your alarm company can start monitoring.

Arrange
transfer
of service
etc.

On June 9, 1992 at 4:30 p.m., Jefferson County will no longer have responsibility for this facility. If I can be of further assistance in the future, please call me at 625-5332.

Sincerely,

Robert D. Stilts

Robert D. Stilts
Building Services Manager

c: Dwight Riggle, Acting Director
Public Properties
Evelyn Waldrop, Director
Environmental & Community Development
Derek Matory
E.P.A. Region IV
Ches Brandon, Insurance & Risk Manager
Finance Department
Don McQueary, Maintenance Supervisor II
Public Properties
Marion Gardner, Technical Projects Technician II
Public Properties

enclosure

LEES LANE METHANE COLLECTION SYSTEM
BALANCING

ATTACHMENT B

Adjust to 2.5 if possible

DATE 5-28-92 (Start)
6-1-92 (Finish)

WELL & MT. NUMBER	PRESSURE (- IN. OF WATER)		VELOCITY (FT. PER MINUTE)		COMMENTS
	INITIAL READING	ADJUSTED READING	W/O PIPE	W/PIPE	
W 01	<u>0</u>	<u>-0.9</u>	<u>750</u>	<u>100</u>	
MT 01	<u>-1.0</u>	<u>N/A</u>	<u>3200</u>	<u>350</u>	
W 02	<u>-1.0</u>	<u>-1.0</u>	<u>4600</u>	<u>360</u>	
MT 02	<u>-1.0</u>	<u>N/A</u>	<u>3900</u>	<u>450</u>	
W 03	<u>-1.0</u>	<u>-1.0</u>	<u>3700</u>	<u>400</u>	
MT 03	<u>-1.05</u>	<u>N/A</u>	<u>3500</u>	<u>475</u>	
W 04	<u>-1.05</u>	<u>-1.05</u>	<u>4800</u>	<u>500</u>	
MT 04	<u>-1.0</u>	<u>N/A</u>	<u>4700</u>	<u>450</u>	
W 05	<u>-1.05</u>	<u>-1.05</u>	<u>4000</u>	<u>450</u>	
MT 05	<u>-1.05</u>	<u>N/A</u>	<u>3800</u>	<u>450</u>	
W 06	<u>-1.1</u>	<u>-1.1</u>	<u>3800</u>	<u>450</u>	
MT 06	<u>-1.1</u>	<u>N/A</u>	<u>4000</u>	<u>450</u>	
W 07	<u>-1.1</u>	<u>-1.1</u>	<u>4800</u>	<u>450</u>	<u>Raised Collar</u>
MT 07	<u>-1.1</u>	<u>N/A</u>	<u>3600</u>	<u>700</u>	
W 08	<u>-1.15</u>	<u>-1.15</u>	<u>4000</u>	<u>550</u>	
MT 08	<u>-1.2</u>	<u>N/A</u>	<u>3700</u>	<u>650</u>	
W 09	<u>-1.2</u>	<u>-1.2</u>	<u>3500</u>	<u>450</u>	
MT 09	<u>-1.3</u>	<u>N/A</u>	<u>4700</u>	<u>575</u>	
W 10	<u>-1.3</u>	<u>-1.3</u>	<u>4500</u>	<u>650</u>	
MT 10	<u>-1.4</u>	<u>N/A</u>	<u>4500</u>	<u>550</u>	

W 11	<u>-1.4</u>	<u>-1.4</u>	<u>4100</u>	<u>650</u>	
MT 11	<u>-1.5</u>	<u>N/A</u>	<u>5000</u>	<u>800</u>	
W 12	<u>-1.6</u>	<u>-1.6</u>	<u>5000</u>	<u>600</u>	<u>Raised Collar</u>
MT 12	<u>-2.2</u>	<u>N/A</u>	<u>2900</u>	<u>1600</u>	
W 13	<u>0</u>	<u>-2.4</u>	<u>Off Scale</u>	<u>450</u>	<u>Flushed + Vacuumed</u>
MT 13	<u>-2.6</u>	<u>N/A</u>	<u>Off Scale</u>	<u>600</u>	<u>Flushed + Vacuumed</u>
W 14	<u>-2.5</u>	<u>-2.5</u>	<u>Off Scale</u>	<u>650</u>	<u>Flushed + Vacuumed</u>
MT 14	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>0</u>	<u>Test Plug</u>
W 15	<u>-1.6</u>	<u>-2.5</u>	<u>Off Scale</u>	<u>600</u>	
MT 15	<u>-4.1</u>	<u>N/A</u>	<u>Off Scale</u>	<u>900</u>	
W 16	<u>-0.6</u>	<u>-2.5</u>	<u>5000</u>	<u>550</u>	
MT 16	<u>-5.2</u>	<u>N/A</u>	<u>Off Scale</u>	<u>650</u>	
W 17	<u>-1.9</u>	<u>-2.5</u>	<u>5500</u>	<u>500</u>	
MT 17	<u>-6.7</u>	<u>N/A</u>	<u>Off Scale</u>	<u>700</u>	<u>Raised Collar</u>
W 18	<u>-1.1</u>	<u>-2.5</u>	<u>4500</u>	<u>500</u>	<u>Raised Collar</u>
MT 18	<u>-7.7</u>	<u>N/A</u>	<u>Off Scale</u>	<u>800</u>	<u>Raised Collar</u>
W 19	<u>-1.0</u>	<u>-2.5</u>	<u>1000</u>	<u>150</u>	
MT 19	<u>-8.8</u>	<u>N/A</u>	<u>Off Scale</u>	<u>900</u>	
W 20	<u>0</u>	<u>-2.5</u>	<u>100</u>	<u>50</u>	
MT 20	<u>-9.4</u>	<u>N/A</u>	<u>Off Scale</u>	<u>900</u>	
W 21	<u>0</u>	<u>-2.5</u>	<u>350</u>	<u>40</u>	
MT 21	<u>-12.2</u>	<u>N/A</u>	<u>6000</u>	<u>1700</u>	
W 22	<u>-1.1</u>	<u>-2.5</u>	<u>4800</u>	<u>700</u>	
MT 22	<u>-13.5</u>	<u>N/A</u>	<u>3600</u>	<u>2700</u>	
W 23	<u>-1.0</u>	<u>-2.5</u>	<u>1400</u>	<u>*</u>	<u>Crooked Riser</u>
MT 23	<u>-11.0</u>	<u>N/A</u>	<u>Off Scale</u>	<u>1300</u>	<u>* Will Not Accept Pipe</u>

W 24	<u>-1.2</u>	<u>-2.5</u>	<u>300</u>	<u>25</u>	<u>Raised collar</u>
MT 24	<u>-7.5</u>	<u>N/A</u>	<u>2500</u>	<u>2500</u>	
W 25	<u>-1.7</u>	<u>-2.5</u>	<u>3000</u>	<u>500</u>	<u>Raised collar</u>
MT 25	<u>-5.9</u>	<u>N/A</u>	<u>5500</u>	<u>600</u>	
W 26	<u>-.5</u>	<u>-2.5</u>	<u>400</u>	<u>30</u>	
MT 26	<u>-5</u>	<u>N/A</u>	<u>1000</u>	<u>700</u>	
W 27	<u>-1.5</u>	<u>-2.5</u>	<u>5500</u>	<u>*</u>	<u>* Creaked Riser</u>
MT 27	<u>-3.6</u>	<u>N/A</u>	<u>Off Scale</u>	<u>1200</u>	<u>* Will Not Accept Pipe</u>
W 28	<u>-3.3</u>	<u>-2.5</u>	<u>1900</u>	<u>150</u>	<u>Raised collar</u>
MT 28	<u>-3.3</u>	<u>N/A</u>	<u>Off Scale</u>	<u>1800</u>	<u>New Cap/ Raised collar</u>
W 29	<u>0</u>	<u>-2.5</u>	<u>1500</u>	<u>180</u>	<u>Raised collar</u>
MT 29	<u>-3</u>	<u>N/A</u>	<u>2800</u>	<u>250</u>	<u>Flushed / Raised collar</u>
W 30	<u>-1.8</u>	<u>-2.1</u>	<u>2800</u>	<u>400</u>	<u>Flushed / Raised collar</u>
MT 30	<u>-2.3</u>	<u>N/A</u>	<u>5000</u>	<u>800</u>	<u>Flushed / Raised collar</u>
W 31	<u>-.5</u>	<u>-1.5</u>	<u>2600</u>	<u>200</u>	
MT 31	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

List persons involved in making adjustments, taking readings and recording measurements.

Robert Stilts / Public Properties

Tom Knight / Public Properties

Kenny Dunn / Public Properties

Temperature 62° - 78°

⊕ Required 100 Lbs. of air pressure
to clear water out of main line.

Pump Pressure (Start)	North Line -25	South Line -25
(Finish)	North Line -17.5	South Line -17.5



Bob Stilts

6-10-92

Mr. Neumayer,

Enclosed are the remaining keys
for Lees Lane, one work order, and
verification that the equipment for
calibration was received by M.S.D.

Please call me if I can be
of any further assistance at

625-5332

BS

Rec'd	6/11/92 by	CS
File	WD2 - Lees Ln M&M.	
Route To	/	
Copies To	Wade Mullins *	

*I have keys if U want them.
otherwise will give to Rick Wetherin.



DAVID L. ARMSTRONG
County Judge/Executive

JEFFERSON COUNTY, KENTUCKY
DIVISION OF PUBLIC PROPERTIES

WENDELL P. WRIG
Division Director

LEES LANE METHANE PUMPING STATION/CALIBRATION EQUIPMENT

Received from Jefferson County Public Properties:

1. Datametrics 100 VT Air Flow meter with battery charger and case (condition: good)
2. Dynatech Model 100 manometer with tubing, fill bottle and extra fluid (condition: good)
3. Various size adapter plugs, one stopcock valve and two (1/2" & 3/4" - 3/8" drive) sockets.

MSD Authorized Agent:

PHILIP W. THORNTON

(Print Name)

Signature:

[Signature]

Date:

6/8/92

Comments:

Public Properties Agent

Robert D. Stilts

(Print Name)

Signature:

Robert D. Stilts

Date:

6-8-92

Comments:

Gave Phil two sets of keys and service manual.

FISCAL COURT BUILDING
SUITE 801
531 COURT PLACE
LOUISVILLE, KENTUCKY 40202-3314
(502) 625-5845

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Jefferson County
Public Properties

JOB REPORT

✓
Done

JOB #	DATE	TIME	WORK CENTER	REQUESTED BY	REPORTED TO
115992	5-28-92	8:00	Leeds Lane	BS	BS
COMPLAINT OR JOB DESCRIPTION					

Service Turbine in pump house

WORK COMPLETED - ACTION TAKEN

Greased Turbine + Checked Belts

1 1/2 Hrs

MATERIAL AND LABOR COST
DESCRIPTION

DESCRIPTION	RATE	COST

DATE WORK COMPLETED	WORK COMPLETED BY	TOTAL COSTS	PAID BY
5/28/92	Tamara Kend		



ATTACHMENT D

Office
Memorandum

Date June 19, 1992

To *SEE LIST BELOW

From Carl A. Neumayer, Director of Operations and Maintenance *Can*

Subject **Initiation of Project Tracking for Monitoring and Maintenance Activities at the Lee's Lane Superfund Site**

As a follow up to my Office Memorandum of May 11, 1992, "Subject: Monitoring Activities for the Lee's Lane Superfund Site", the purpose of this Office Memorandum is to initiate project tracking of monitoring and maintenance remediation personnel and other costs associated with MSD's obligations under the Consent Order, USEPA Docket No. 91-32-C.

The capturing of personnel costs on timesheets shall commence effective with the payroll period ending July 3, 1992. Details concerning the capturing of monitoring costs on timesheets is explained and examples provided in the attached Office Memorandum from the Finance Division, dated March 16, 1992, copy attached. The procedures outlined in the Office Memorandum of March 16, 1992, shall be strictly adhered to and no deviations are permitted.

Please note that costs chargeable to Item Codes 70 through 80, inclusive, shall not be entered on timesheets unless specific authorization has been obtained from the Director of Operations. Item Codes 70 to 80, inclusive, are specifically identified in the Consent Order for certain defined items of maintenance remediation which are subject to a present value monetary ceiling. The monetary ceiling is subject to discounting maintenance remediation expenditures back to 1991 dollars. These discounting calculations will be made by the Finance Division and reported to USEPA as provided for under the terms of the Consent Order.

It is imperative that everyone associated with the monitoring and maintenance remediation activities at the Lee's Lane Landfill Superfund Site accurately document labor and other costs in accordance with the procedures provided, as may be amended from time to time, in order to achieve accurate expenditure documentation during MSD's 29 year period of obligation under the terms of the Consent Order.



Initiation of Project Tracking for Monitoring and Maintenance
Activities at the Lee's Lane Superfund Site
June 19, 1992
Page 2

Please advise if you have any questions concerning this Office
Memorandum or the attachments thereto.

Approved by: _____

A handwritten signature in dark ink, appearing to read "Gordon R. Garner", is written over the line for the approved by field.

Gordon R. Garner
Executive Director

Date: _____

The date "6/22/92" is handwritten in dark ink over the line for the date field.

CAN/rdh
CAN29.1I

Attachments

*LIST

J. C. Beyke
K. F. Conner
L. M. Douglas
G. E. Ettel
R. L. Hutchison
M. L. Jenkins
M. C. Jones
M. J. Kalbhin
L. L. Melisizwe
L. E. Mettling
R. A. Miller
H. W. Mullins
G. F. Rogers
D. R. Sammons
T. M. Wallen
R. H. Watkins
J. H. Wathen

cc: File WD-2 (Lee's Lane M&M)



Office
Memorandum

Rec'd	4642	by	Jim
File	4002 - Lee's Lane H#		
Route To			
Copies To			

Date March 16, 1992
To Carl Neumayer
From Tim Wallen
Subject Administrative Order - Lee's Lane Landfill

MSD has executed an Administrative Order with the Environmental Protection Agency relative to the Lee's Lane Superfund site. It is necessary for us to track our Operations and Maintenance cost by related activity in order for MSD to meet the terms of the agreement.

A project number has been established within the Project Tracking System to capture this cost. It will be necessary for Operations and Maintenance personnel to code their timesheets, purchase requisitions, etc with the appropriate project number and item code associated with the O&M activity.

The Co/Proj is 012 and project number is 8000. The item code will correspond to the activity from the attached list.

A sample time sheet has also been attached for reference purposes.

Please feel free to call me on ext. 6296 if you have any questions.

LEE'S LANE LANDFILL SUPERFUND SITE
MONITORING AND MAINTENANCE REMEDIATION ACTIVITIES

PROJECT 012-8000

ITEM
CODE

MONITORING ACTIVITIES

- 50 Site Inspections - Gas collection system
- 51 Site Inspections - Groundwater monitoring wells
- 52 Site Inspections - Gas monitoring wells
- 53 Site Inspections - Institutional controls
- 54 Site Inspections - Area wide site conditions (i.e., settlement
erosion, unauthorized dumping)
- 55 Air Quality Monitoring - Ambient air sampling
- 56 Air Quality Monitoring - Gas monitoring well sampling
- 57 Gas Collection System Balancing
- 58 Groundwater Quality Monitoring - Groundwater monitoring well sampling
- 59 Groundwater Quality Monitoring - Private well sampling
- 60 River Bank Protection Controls - Rip-rap slope and drainage swales
- 61 River Bank Protection Controls - Surveying
- 62 Landfill Surface and Cap Monitoring - Capped area adjacent to Ohio
River and "hot spot" areas
- 63 Landfill Surface and Cap Monitoring - Mowing

ITEM
CODE

MAINTENANCE REMEDIATION ACTIVITIES*


- 70 Repair or replacement of rip-rap
- 71 Repair or regrading of slope movement
- 72 Installation of piezometers, repair or replacement of gas collection
or water wells
- 73 Repair of blower house, weather station, gates, and barriers
- 74 Repair of access road and on-site roadways
- 75 Repair or replacement of clay cap
- 76 Replacement of blowers and pumps
- 77 Repair or replacement of vandalized equipment
- 78 Repair of conditions exposing hazardous substances directly to the
elements.
- 79 Additional sampling in excess of established quarterly sampling as
required by Section 4.4.B of Attachment I
- 80 Repairs or other activities to eliminate or reduce ponding of surface
waters

*Specific authorization required from Director of Operations before cost charges
can be made to Item Codes 70 to 80, inclusive.

- Louisville and Jefferson County Metropolitan Sewer District**



Office
Memorandum

Date July 6, 1992
To C. A. Neumayer
From D. R. Sammons 
Subject Lees Lane Landfill Inspection

ATTACHMENT E	
Rec'd	7/7/92 by Cam
File	6102 Lees Ln 194M
Route To	
Copies To	

On June 22, 1992, Loyiso Melisizwe and I inspected the sampling facilities at the Lees Lane Landfill. Our intent was to locate and to investigate the condition of the groundwater monitoring wells, the gas monitoring wells, and the ambient air sampling stations. At 1:00 p.m. we met Phil Thornton, Mike Holley, and Craig Jones at the entrance gate to the site. Phil Thornton stated that he had only recently received the keys to the gate and the blower house from the Jefferson County personnel. He had been given basic instructions regarding the layout of the gas collection system and operation of the blowers. He had no information regarding the monitoring system.

After viewing the gas collection system, we proceeded onto the floodwall road and onto the site access road. We drove to the northernmost end of the access road and parked near the "Old Weigh Station" as indicated on the site map labeled Figure 1.0-2 in the O&M Manual. We performed a quick reconnaissance of the area indicated in Figure 4.3-1 as locations for ambient air sampling stations 2 and 3. No markers were found. We then proceeded to the groundwater monitoring well MW-04 as indicated on Figure 4.4-2. We did not find any label or other identifying mark on or surrounding the standpipe. The standpipe consisted of a 6" iron pipe extending ~ 60" above the ground with the lower 30" incased in a 10" iron pipe filled with concrete. The top of the standpipe was fitted with a lockable lid, but was unlocked. We opened the lid and found a four inch stainless steel(?) pipe which apparently is the top of the well casing pipe. I looked down the pipe and noted that the stainless steel pipe had been breached about two feet down. We then noted a bullet hole in the 6" outer pipe matching the internal breach. On further inspection, we found that rocks clogged the well casing starting at ~ 51" from the top. We could not tell how many rocks were present or how far down the obstruction extended. Phil Thornton supplied a lock for the standpipe to preclude further vandalism.

Judging from the map, monitoring well MW-05 is about one half mile by road SSW of MW-04. We proceeded on the access road until it dropped significantly down an embankment. We walked down the hill and along the road searching the western side of the road, but did not see MW-05. The area was completely overgrown with weeds and established trees. We decided that some clearing would be necessary to aid the search. We left the area and proceeded off site to locate the groundwater wells located in the Riverside Gardens neighborhood. We returned to the area after finding the wells listed below. Upon our return, we found MW-05 approximately 0.2 mile from the embankment and approximately 25' from the western edge of the access road. The standpipe was similar to that found at MW-04, but extending only 2' above the ground. It was locked with a Master lock. The area around the standpipe was overgrown with grasses and weeds, but no trees will restrict access. I took the precaution of marking a tree on either side of the access road with some yellow plastic garbage bag ties that I found in the immediate area.

I noted the location of the gas monitoring well pairs G-1, G-2, and G-3 as we drove along the floodwall. They are located on the eastern side of the floodwall, separated by ~1000'. The standpipes used for these wells appear to be squared aluminum tubes with a locking lid that fits tightly. All of these wells were locked with Master locks. We did not locate the other gas monitoring well pairs because I did not refer to the map in Figure 4.2-1 after looking for the ambient air sampling stations. I will discuss this under Considerations.

Well MW-02 was located in a vacant lot on the SW corner of Lucerne Street and Lees Lane. We found the well surrounded by a clump of weeds and various debris (cat litter, pieces of wood, bottles, etc.) The standpipe was similar to that found at MW-04, but extended only 3 feet above what appeared to be a concrete pad. It was locked with a Master lock. Mike Holley and Phil Thornton searched their supplies of keys to no avail. I have to assume that the well will be in good condition since the lock was intact.

We proceeded to Kenmore Street on the opposite side of Lees Lane and located what I believe to be MW-B on a drainage ditch easement adjacent to a well manicured lawn. The owner apparently takes care of the easement in the same manner as his yard. This standpipe was a square aluminum(?) casing, 24" to 30" tall, similar to those noted in the gas monitoring wells. It was locked with a Master lock to which we had no key. The lock numbers on MW-02 and MW-B were in the same series, but not the same number.

MW-A was found behind a grocery store at the end of a gravel parking lot in a freshly mown area. The well casing was the same as noted at MW-B, again locked with a Master lock of the same series, but with a different number. Having found all of the wells with the exception of MW-05 with relative ease, Loyiso Melisizwe suggested that we return to the landfill and try to locate MW-05.

We did not attempt to locate the residence at [REDACTED]. This is the location of the private well which must be sampled and analyzed in the same manner as the groundwater monitoring wells.

Further Observations

The area surrounding MW-04 needs mowing, as does the ambient air sampling station area north of the "Old Weigh Station". The ditch along the eastern side of the access road in this area showed some ponding. It is not obvious to me how the ditch should drain to the drainage pipes under the access road. The access road in this area shows signs of a subsidence. The slump is in an area where a galvanized pipe appears on the drainage ditch side of the road, and extends ten feet on either side. My concern here is that the pipe may have leaked in the past, causing a wash out of the underlaying soil which led to the subsidence. Since the road fell that much, the pipe is surely leaking now. Water entering the subsurface at that point may leach materials into the groundwater, adversely effecting monitoring well GW-04 which is about 100 yards north.

Mowing is needed at MW-05, but of more concern is the condition of the road. Mike Holley backed the van down the embankment with little problem, so the area is accessible. I noted that the roadway past the embankment was rutted and in most places had very little gravel. It may become totally impassable in bad weather, without further improvement.

Mowing and general cleaning is needed around MW-02. We should endeavor to maintain the lot on the corner of Lucerne Street and Lees Lane to keep it from looking like an abandoned lot. At present, it is collecting various debris, while surrounding lots are well kept. If it is not known at present, we should ascertain its ownership.

Considerations

The water from MW-04 and MW-05 could be purged onto the ground at or near the wellhead. The other wells may require other considerations. The drainage ditch next to MW-B could be used to receive the purged water from that

well, though the neighbors should be informed of the purpose. MW-02 and MW-A are located on or near private property, with no substantial drainage facilities evident. It may be necessary to pump the water into a tank for transport to the drainage ditch at MW-B or back to the landfill site for disposal. The purged water from these wells may raise some community concerns depending on the level of personal protection worn by the sampling personnel. If people in tyvek suits, face shields, and rubber gloves empty a tank into a drainage ditch or pump material onto the ground, we will be hard pressed to convince the area residents that there is no need for concern.

The maps provided in the O & M Manual are small and difficult to read. Only one of the maps is labeled with street names, another contains the gas collection system, a third contains gas monitoring well and ambient air sampling station locations, and a fourth contains the groundwater well locations. I think that we should have LOJIC produce a map of the area, assuming that they have it digitized, and carefully mark the location of all pertinent facilities. Good quality maps would reduce the possibility of errors in the field. Good maps would also aid in community education.

Community education, easements, the logistics of purging the groundwater wells and sampling the wells and ambient air must be addressed prior to the first sampling event. As the necessary sampling equipment is not yet available, I propose that we defer any sampling until the third quarter of 1992. Mowing and other maintenance activities may start at any time, but I suggest that some effort be given to educating the public on the activities being performed on the site and in the neighborhood. MSD must be perceived as a good neighbor in this project.

If you have any questions regarding this inspection or would like discuss my comments, please contact me at Ext. 6720.

DRS/sji
DRS2.2L

cc: R. L. Hutchison
H. E. Rominger
G. E. Ettel
M. J. Kalbhin
M.C. Jones
L. L. Melisizwe



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DATE: July 2, 1992

TO: C.A. Neumayer, Director of Operations & Maintenance

FROM: W.F. Baxter, Support Supervisor

SUBJECT: Lee's Lane Superfund Site Activity

The following information lists the activities at the Lee's Lane Site related to the Landfill Surface Mowing:

1. On June 3rd, 4th and 6th, 1992, bush hog approximately 7.6+ acres of Landfill Surface to approximate height of four (4) inches, which is adjacent to the Bank Stabilization Area.
2. On June 17, 1992, bush hogged, trimmed and marked areas around gas collection wells, south of the Putman-access Road.
3. On June 29, 1992, hand-cut and trimmed grass areas around gas collection wells and monitoring well located at Lee's Lane site.

Activities related to the Landfill Surface Area at the site are being monitored by Rick and myself on a monthly basis.

cc: R.H. Watkins
M.J. Kalbhinn
C.F. Rogers

WB/sm

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